

10/ 667,111

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal202txn

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	JAN 26	CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may

10/ 667,111

result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:36:52 ON 23 FEB 2005

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:37:14 ON 23 FEB 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 FEB 2005 HIGHEST RN 835870-69-4

DICTIONARY FILE UPDATES: 22 FEB 2005 HIGHEST RN 835870-69-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

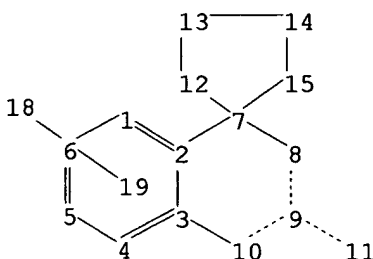
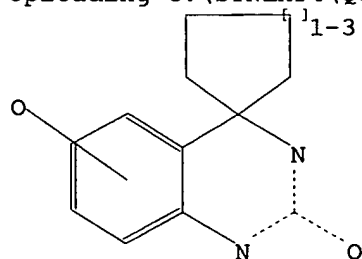
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\STNEXP4\QUERIES\10667111.str



chain nodes :

11 18

ring nodes :

1 2 3 4 5 6 7 8 9 10 12 13 14 15

chain bonds :

9-11

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 7-8 7-12 7-15 8-9 9-10 12-13 13-14 14-15

exact/norm bonds :

3-10 8-9 9-10 9-11

exact bonds :

2-7 7-8 7-12 7-15 12-13 13-14 14-15

normalized bonds :

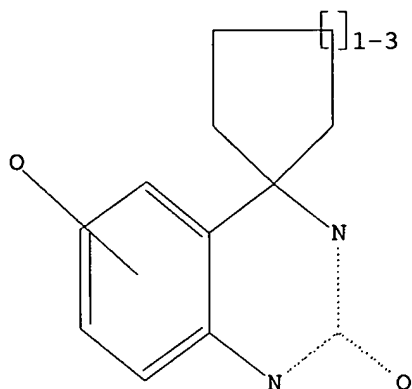
1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

```
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS
12:Atom 13:Atom 14:Atom 15:Atom 18:CLASS 19:CLASS
```

L1	STR
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100



SAMPLE SEARCH INITIATED 10:37:52 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 23 TO ITERATE

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	173 TO	747
PROJECTED ANSWERS:	3 TO	163

FULL SEARCH INITIATED 10:38:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 528 TO ITERATE

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

10/ 667,111

FULL ESTIMATED COST

161.33

161.54

FILE 'CAPLUS' ENTERED AT 10:38:06 ON 23 FEB 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 23 Feb 2005 VOL 142 ISS 9

FILE LAST UPDATED: 22 Feb 2005 (20050222/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 5 L3

=> d l4 l- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:689239 CAPLUS

DOCUMENT NUMBER: 141:332154

TITLE: Spiroquinazolinones as novel, potent, and selective PDE7 inhibitors. Part 2: optimization of 5,8-disubstituted derivatives
 AUTHOR(S): Bernardelli, Patrick; Lorthiois, Edwige; Vergne, Fabrice; Oliveira, Chrystalle; Mafroud, Abdel-Kader; Proust, Emmanuelle; Pham, Nga; Ducrot, Pierre; Moreau, Francois; Idrissi, Moulay; Tertre, Anita; Bertin, Bernadette; Coupe, Magali; Chevalier, Eric; Descours, Arnaud; Berlioz-Seux, Francoise; Berna, Patrick; Li, Mei

CORPORATE SOURCE: Pfizer Global Research and Development, Fresnes, 94265, Fr.

SOURCE: Bioorganic & Medicinal Chemistry Letters (2004), 14(18), 4627-4631

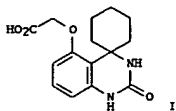
CODEN: BMCLEB; ISSN: 0960-894X

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



late

AB The optimization of 5,8-disubstituted spirocyclohexane-quinazolinones into potent, selective, soluble PDE7 inhibitors with acceptable in vivo pharmacokinetic parameters is presented. It was also reported that 5'-carboxymethoxy-8'-chlorospiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one (1) and 8'-chloro-5'-(2-hydroxyethoxy)spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one were selected for studies in rat models.

IT 460346-61-6P

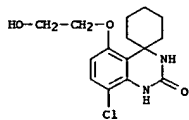
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation of N-[2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]ethyl]glycine and study of its activity as phosphodiesterase (PDE7) inhibitor)

RN 460346-61-6 CAPLUS

CN Glycine, N-[2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

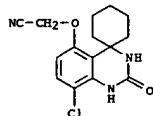
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-(2-hydroxyethoxy)- (9CI) (CA INDEX NAME)



RN 460346-31-0 CAPLUS

CN Acetonitrile, [(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]- (9CI) (CA INDEX NAME)



IT 460346-14-9P, 8'-Chloro-5'-[2-(4-morpholino)ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one 460346-23-0P, 5'-Carboxymethoxy-8'-chlorospiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one

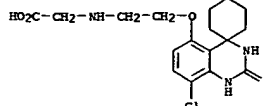
460346-32-1P, 8'-Chloro-5'-(1H-tetrazol-5-ylmethoxy)spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 460346-33-2P, 8'-Chloro-5'-(5-hydroxy-[1,2,4]oxadiazol-3-ylmethoxy)spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of chlorospiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one derivs. and study of their activity as phosphodiesterase (PDE-7) inhibitors)

RN 460346-14-9 CAPLUS

CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-[2-(4-morpholinyl)ethoxy]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

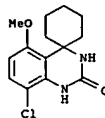


● HCl

IT 460346-02-5P, 8'-Chloro-5'-methoxyspiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one 460346-10-5P, 8'-Chloro-5'-hydroxyspiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one 460346-28-5P, 8'-Chloro-5'-(2-hydroxyethoxy)spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one 460346-31-0P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of chlorospiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one derivs. and study of their activity as phosphodiesterase (PDE-7) inhibitors)

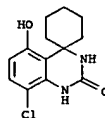
RN 460346-02-5 CAPLUS

CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-methoxy- (9CI) (CA INDEX NAME)



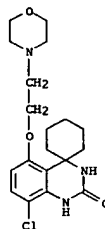
RN 460346-10-5 CAPLUS

CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-hydroxy- (9CI) (CA INDEX NAME)



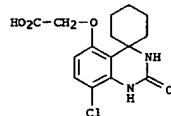
RN 460346-28-5 CAPLUS

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



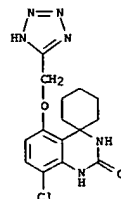
RN 460346-23-0 CAPLUS

CN Acetic acid, [(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]- (9CI) (CA INDEX NAME)



RN 460346-32-1 CAPLUS

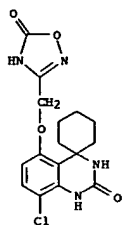
CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-(1H-tetrazol-5-ylmethoxy)- (9CI) (CA INDEX NAME)



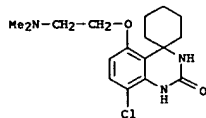
RN 460346-33-2 CAPLUS

CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-[(2,5-dihydro-5-oxo-1,2,4-oxadiazol-3-yl)methoxy]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

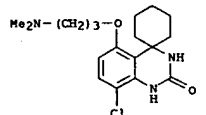


IT 460346-15-0P, 8'-Chloro-5'-[2-(dimethylamino)ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-16-1P, 8'-Chloro-5'-[2-(aminoethoxy)spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-18-3P, 8'-Chloro-5'-[2-(methylamino)ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-19-4P, 8'-Chloro-5'-[2-(2-aminoethoxy)ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-21-8P, 8'-Chloro-5'-[3-(dimethylamino)propoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-26-3P, 8'-Chloro-5'-[3-sulfopropoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-29-6P, 8'-Chloro-5'-[5-ethoxycarbonylfuran-2-ylmethoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-30-9P, 8'-Chloro-5'-[5-carboxyfuran-2-ylmethoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-57-0P, 8'-Chloro-5'-[3-(dimethylamino)-2-hydroxypropoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-59-2P, 8'-Chloro-5'-[3-methylamino-2-hydroxypropoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation of chlorospiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one derivs. and study of their activity as phosphodiesterase (PDE7) inhibitors)
 RN 460346-15-0 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[2-(dimethylamino)ethoxy]- (9CI) (CA INDEX NAME)

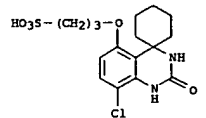


RN 460346-16-1 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 5'-(2-aminoethoxy)-8'-

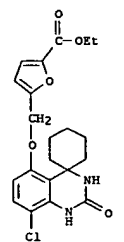
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 460346-26-3 CAPLUS
 CN 1-Propanesulfonic acid, 3-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]- (9CI) (CA INDEX NAME)

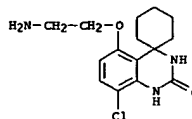


RN 460346-29-6 CAPLUS
 CN 2-Furancarboxylic acid, 5-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)

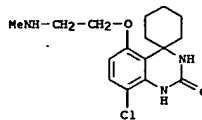


RN 460346-30-9 CAPLUS
 CN 2-Furancarboxylic acid, 5-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]methyl]- (9CI) (CA INDEX NAME)

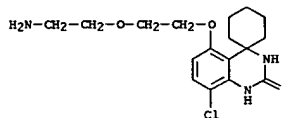
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 460346-18-3 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[2-(methylamino)ethoxy]- (9CI) (CA INDEX NAME)

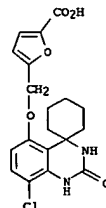


RN 460346-19-4 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 5'-[2-(2-aminoethoxy)ethoxy]-8'-chloro- (9CI) (CA INDEX NAME)

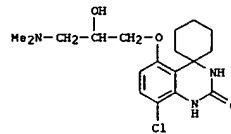


RN 460346-21-8 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[3-(dimethylamino)propoxy]- (9CI) (CA INDEX NAME)

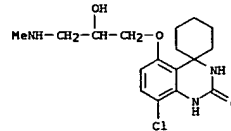
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 460346-57-0 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[3-(dimethylamino)-2-hydroxypropoxy]- (9CI) (CA INDEX NAME)

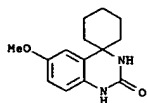


RN 460346-59-2 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[2-hydroxy-3-(methylamino)propoxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

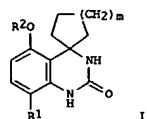
L4 ANSWER 2 OF 5 CAPIUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:689238 CAPIUS
 DOCUMENT NUMBER: 141:253666
 TITLE: Spiroquinazolinones as novel, potent, and selective PDE7 inhibitors. Part 1
 AUTHOR(S): Lorthiois, Edwige; Bernardelli, Patrick; Vergne, Fabrice; Oliveira, Chrystelle; Mafrout, Abdel-Kader; Fraust, Emmanuelle; Heuze, Lania; Moreau, Francois; Idrissi, Moulay; Tetre, Anita; Bertin, Bernadette; Coupe, Magali; Wrigglesworth, Roger; Descours, Arnaud; Soulard, Patricia; Berna, Patrick
 CORPORATE SOURCE: Pfizer Global Research and Development, Fresnes, 94265, Fr.
 SOURCE: Bioorganic & Medicinal Chemistry Letters (2004), 14(18), 4623-4626
 CODEN: BMCLEB; ISSN: 0960-894X
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The synthesis and SAR studies of spiroquinazolinones as novel PDE7 inhibitors are discussed. The best compds. from the series displayed nanomolar inhibitory affinity and were selective vs. other PDE isoenzymes.
 IT 460345-40-8P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (spiroquinazolinones as PDE7 inhibitors)
 RN 460345-40-8 CAPIUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 6'-methoxy- (9CI) (CA INDEX NAME)



IT 460345-42-0P 460345-65-7P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (spiroquinazolinones as PDE7 inhibitors)
 RN 460345-42-0 CAPIUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 7'-methoxy- (9CI) (CA INDEX NAME)

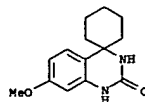
L4 ANSWER 3 OF 5 CAPIUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:246965 CAPIUS
 DOCUMENT NUMBER: 140:270874
 TITLE: Preparation of spirocondensed quinazolinones as phosphodiesterase inhibitors
 INVENTOR(S): Bernardelli, Patrick; Vergne, Fabrice; Mendes, Chrystelle; Ducrot, Pierre
 PATENT ASSIGNEE(S): Warner-Lambert Company LLC, USA
 SOURCE: Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1400244	A1	20040324	EP 2002-292275	20020917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
WO 2004026818	A1	20040401	WO 2003-183965	20030908
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004106631	A1	20040603	US 2003-667111	20030917
PRIORITY APPLN. INFO.: EP 2002-292275 A 20020917				
OTHER SOURCE(S): MARPAT 140:270874				
GI				

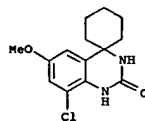


AB Title compds. I [m = 1, 2, 3; R1 = Me, Cl, Br, F; R2 = (un)substituted alkyl, heterocyclic] were prepd. for use as inhibitors of PDE-7 (no data). Thus, I [R1 = Cl, R2 = OCH2CH2NHCH2CO2Me] was treated with aqueous NH3 to give I [R1 = Cl, R2 = OCH2CH2NHCH2CONH2].
 IT 674336-39-1 674336-44-8 674336-59-5
 RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of spirocondensed quinazolinones as phosphodiesterase inhibitors)
 RN 674336-39-1 CAPIUS
 CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-hydroxy-

L4 ANSWER 2 OF 5 CAPIUS COPYRIGHT 2005 ACS on STN (Continued)

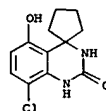


RN 460345-65-7 CAPIUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-6'-methoxy- (9CI) (CA INDEX NAME)

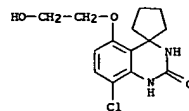


REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

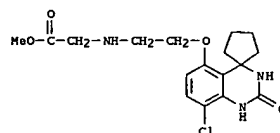
L4 ANSWER 3 OF 5 CAPIUS COPYRIGHT 2005 ACS on STN (Continued)



RN 674336-44-8 CAPIUS
 CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-(2-hydroxyethoxy)- (9CI) (CA INDEX NAME)

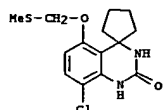


RN 674336-59-5 CAPIUS
 CN Glycine, N-[2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclopentane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

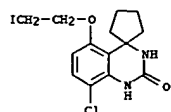


IT 674336-41-5P 674336-46-0P 674336-51-7P
 674336-53-9P 674336-55-1P 674336-56-2P
 674336-57-3P 674336-58-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of spirocondensed quinazolinones as phosphodiesterase inhibitors)
 RN 674336-41-5 CAPIUS
 CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[(methylthio)methoxy]- (9CI) (CA INDEX NAME)

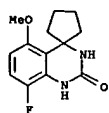
L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



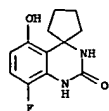
RN 674336-46-0 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-(2-iodoethoxy)- (9CI) (CA INDEX NAME)



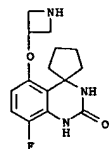
RN 674336-51-7 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-fluoro-5'-methoxy- (9CI) (CA INDEX NAME)



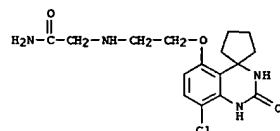
RN 674336-53-9 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-fluoro-5'-hydroxy- (9CI) (CA INDEX NAME)



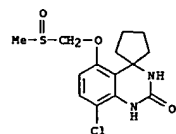
L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



IT 674336-60-0P 674336-61-0P 674336-62-0P
674336-63-1P 674336-64-2P 674336-65-3P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREF (Preparation); USES (Uses)
(preparation of spirocondensed quinazolinones as phosphodiesterase inhibitors)
RN 674336-60-8 CAPLUS
CN Acetamide, 2-[[2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclopentane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]ethyl]amino]- (9CI) (CA INDEX NAME)



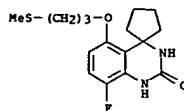
RN 674336-61-9 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[(methylsulfinyl)methoxy]- (9CI) (CA INDEX NAME)



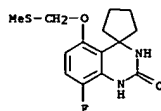
RN 674336-62-0 CAPLUS
CN Acetamide, N-[2-[[2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclopentane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]ethyl]amino]ethyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

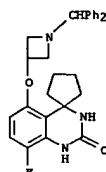
RN 674336-55-1 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-fluoro-5'-[(3-methylthio)propoxy]- (9CI) (CA INDEX NAME)



RN 674336-56-2 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-fluoro-5'-[(methylthio)methoxy]- (9CI) (CA INDEX NAME)

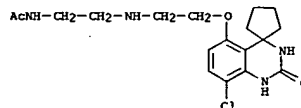


RN 674336-57-3 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 5'-[[1-(diphenylmethyl)-3-azetidinyloxy]-8'-fluoro- (9CI) (CA INDEX NAME)

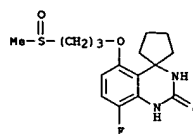


RN 674336-58-4 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 5'-[(3-azetidinyloxy)-8'-fluoro- (9CI) (CA INDEX NAME)

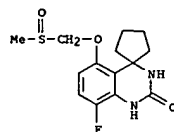
L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 674336-63-1 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-fluoro-5'-[(3-methylsulfinyl)propoxy]- (9CI) (CA INDEX NAME)

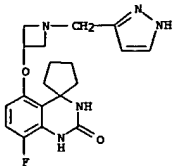


RN 674336-64-2 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-fluoro-5'-[(methylsulfinyl)methoxy]- (9CI) (CA INDEX NAME)



RN 674336-65-3 CAPLUS
CN Spiro[cyclopentane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-fluoro-5'-[[1-(1H-pyrazol-3-ylmethyl)-3-azetidinyloxy]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



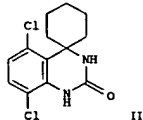
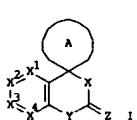
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2002:754361 CAPLUS
 DOCUMENT NUMBER: 137:247713
 TITLE: Preparation of spirotricyclic quinoline derivatives and analogs and their use as phosphodiesterase-7 inhibitors
 INVENTOR(S): Bernardelli, Patrick; Ducrot, Pierre; Lorthois, Edwige; Vergne, Fabrice
 PATENT ASSIGNEE(S): Warner-Lambert Company, USA
 SOURCE: PCT Int. Appl., 116 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

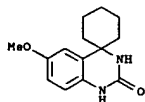
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002076953	A1	20021003	WO 2001-EP3355	20010321
W: US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2441313	AA	20020926	CA 2002-2441313	20020318
WO 2002074754	A1	20020926	WO 2002-EP3594	20020318
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1373224	A1	20040102	EP 2002-732544	20020318
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EE 200300459	A	20040216	EE 2003-459	20020318
BR 2002008192	A	20040302	BR 2002-8192	20020318
JP 2004529123	T2	20040924	JP 2002-573763	20020318
US 2002198198	A1	20021226	US 2002-101996	20020319
ZA 2003006601	A	20040825	ZA 2003-6601	20030825
BG 108181	A	20040930	BG 2003-108181	20030917
NO 2003004187	A	20031015	NO 2003-4187	20030919
US 2004214843	A1	20041028	US 2004-852404	20040524
PRIORITY APPL. INFO.:				
OTHER SOURCE(S): MARPAT 137:247713				
GI				

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



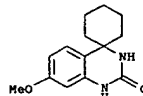
AB Title compds. I [X1-4 = N provided that not more than two of X1-4 simultaneously represent N; C-R1; R1 = Q1, alk(en/yn)yl; Q1 = H, halo, CN, NO2, SO3H, etc.; when X1-2 both represent C-R1, the 2 substituents R1 may form together with the carbon atoms to which they are attached, a 5-membered heterocyclic ring; X is O, NR9; R9 = H, CN, OH, NH2, alk(en/yn)yl; Y = O, S, NR12; R12 = H, CN, OH, NH2, alk(en/yn)yl; Z = CH-NO2, O, S, NR13; R13 = H, CN, OH, NH2, acyl, heteroaryl, cycloalkyl, etc.; A = cyclohexyl, heterocyclyl, etc. and tautomeric analogs] were prepared. For instance, II was prepared from 2,5-dichlorophenylurea, cyclohexanone and polyphosphoric acid in 7% yield. II had IC50 = 0.014 μ M for the PDE7 receptor. I are useful for the treatment of autoimmune diseases, osteoarthritis, etc.

IT 460345-40-8P, 6'-Methoxyspiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one 460345-42-0P, 7'-Methoxyspiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one 460345-44-2P, 8'-Methoxyspiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one 460345-65-7P, 8'-Chloro-6'-methoxyspiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 RI: PAC (Pharmacological activity); SPW (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (PDE7 inhibitor; preparation of spirotricyclic quinoline derivs. and analogs and use as phosphodiesterase-7 inhibitors)
 RN 460345-40-8 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 6'-methoxy- (9CI) (CA INDEX NAME)

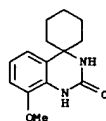


RN 460345-42-0 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 7'-methoxy- (9CI) (CA INDEX NAME)

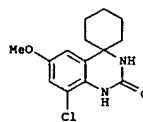
L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



RN 460345-44-2 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-methoxy- (9CI) (CA INDEX NAME)



RN 460345-65-7 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-6'-methoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STM
 ACCESSION NUMBER: 2002:736240 CAPLUS
 DOCUMENT NUMBER: 137:247712
 TITLE: Preparation of spirotricyclic quinoline derivatives and analogs and their use as phosphodiesterase-7 inhibitors
 INVENTOR(S): Bernardelli, Patrick; Ducrot, Pierre; Lorthiois, Edwige; Vergne, Fabrice
 PATENT ASSIGNEE(S): Warner-Lambert Company, USA
 SOURCE: PCT Int. Appl., 187 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074754	A1	20020926	WO 2002-EP3594	20020318
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
WO 2002076953	A1	20021003	WO 2001-EP3355	20010321
W: US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2441313	AA	20020926	CA 2002-2441313	20020318
EP 1373224	A1	20040102	EP 2002-732544	20020318
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EE 200300459	A	20040216	EE 2003-459	20020318
BR 200208192	A	20040302	BR 2002-8192	20020318
JP 2004529123	T2	20040924	JP 2002-573763	20020318
BG 108181	A	20040930	BG 2003-108181	20030917
NO 2003004187	A	20031015	NO 2003-4187	20030919
PRIORITY APPLN. INFO:			WO 2001-EP3355	W 20010321
			WO 2002-EP3594	W 20020318
OTHER SOURCE(S):		MAPPAT 137:247712		
GI				

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)

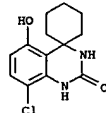


AB Title compds. I [X1-4 = N provided that not more than two of X1-4 simultaneously represent N; C-R1: R1 = Q1, alk(en/yn)yl, Q1 = H, halo, CN, NO2, SO3H, etc.; when X1-2 both represent C-R1, the 2 substituents R1 may form together with the carbon atoms to which they are attached, a 5-membered heterocyclic ring; X is O, NR9; R9 = H, CN, OH, NH2, alk(en/yn)yl; Y = O, S, NR12; R12 = H, CN, OH, NH2, alk(en/yn)yl; Z = CH-NO2, O, S, NR13; R13 = H, CN, OH, NH2, aryl, heteroaryl, cycloalkyl, etc.; A = cyclohexyl, heterocyclyl, etc. and tautomeric analogs] were prepared. For instance, II was prepared from 2,5-dichlorophenylurea, cyclohexanone and polyphosphoric acid in 7% yield. II had IC50 = 0.014 μ M for the PDE7 receptor. I are useful for the treatment of autoimmune diseases, osteoarthritis, etc.

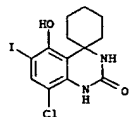
IT 460346-10-5P, 8'-Chloro-5'-hydroxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-11-6P, 8'-Chloro-5'-hydroxy-6'-iodospiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-12-7P, 8'-Chloro-6'-iodo-5'-methoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-28-9P, 8'-Chloro-5'-(2-hydroxyethoxy)spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-31-0P, 8'-Chloro-5'-cyanomethoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-37-6P, 6'-(4-Carboxyphenyl)-8'-chloro-5'-methoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-60-5P, 8'-Chloro-5'-[2-((ethoxycarbonyl)methyl)amino]ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (PDE7 inhibitor; preparation of spirotricyclic quinoline derivs. and analogs and use as phosphodiesterase-7 inhibitors)

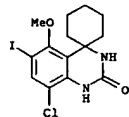
RN 460346-10-5 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-hydroxy- (9CI) (CA INDEX NAME)



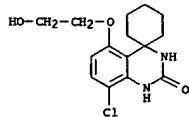
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
 RN 460346-11-6 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-hydroxy-6'-iodo- (9CI) (CA INDEX NAME)



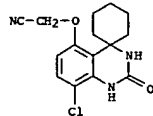
RN 460346-12-7 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-6'-iodo-5'-methoxy- (9CI) (CA INDEX NAME)



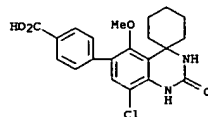
RN 460346-28-5 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-(2-hydroxyethoxy)- (9CI) (CA INDEX NAME)



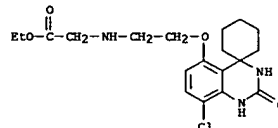
RN 460346-31-0 CAPLUS
 CN Acetonitrile, [(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
 RN 460346-37-6 CAPLUS
 CN Benzoic acid, 4-[(8'-chloro-2',3'-dihydro-5'-methoxy-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-6'-yl)- (9CI) (CA INDEX NAME)

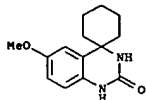


RN 460346-60-5 CAPLUS
 CN Glycine, N-[2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]ethyl]-, ethyl ester (9CI) (CA INDEX NAME)

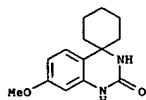


IT 460345-40-8P, 6'-Methoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460345-42-0P, 7'-Methoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460345-44-2P, 8'-Methoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460345-65-7P, 8'-Chloro-6'-methoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-02-5P, 8'-Chloro-5'-methoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-13-9P, 8'-Chloro-6'-cyano-5'-methoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-14-9P, 8'-Chloro-5'-[2-(4-morpholino)ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-15-0P, 8'-Chloro-5'-(2-dimethylaminoethoxy)spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-16-1P, 8'-Chloro-5'-(2-aminoethoxy)spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-18-3P, 8'-Chloro-5'-[2-(methylamino)ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-19-4P, 8'-Chloro-5'-(2-(2-aminoethoxy)ethoxy)spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-21-8P, 8'-Chloro-5'-[3-(dimethylamino)propoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-22-9P, 8'-Chloro-5'-ethoxycarbonylmethoxyspiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-23-0P, 5'-Carboxymethoxy-8'-chlorospiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-24-1P, 5'-[3-(Carboxy)propoxy]-8'-chlorospiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-26-3P, 8'-Chloro-5'-[3-sulfoxypropoxy]spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-27-4P 460346-29-6P, 8'-Chloro-5'-(5-ethoxycarbonylfuran-2-ylmethoxy)spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-30-9P, 8'-Chloro-5'-(5-carboxyfuran-2-ylmethoxy)spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one 460346-32-1P, 8'-Chloro-5'-(1H-tetrazol-5-ylmethoxy)spiro[cyclohexane-1,4'-quinazolin]-2'-(1'H)-one

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 460346-33-2P, 8'-Chloro-5'-[5-hydroxy-[1,2,4]oxadiazol-3-ylmethoxy]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 460346-36-5P, 8'-Chloro-6'-iodo-5'-[2-(dimethylamino)ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 460346-39-7P, 6'-[3-Carboxyphenyl]-8'-chloro-5'-methoxyspiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 460346-48-9P, 8'-Chloro-5'-methoxy-6'-[4-[(4-methylpiperazine)carbonyl]phenyl]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 460346-57-0P, 8'-Chloro-5'-[3-dimethylamino-2-hydroxypropoxy]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 460346-59-2P, 8'-Chloro-5'-[3-methylamino-2-hydroxypropoxy]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 460346-61-6P, 8'-Chloro-5'-[2-[(carboxymethyl)amino]ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one hydrochloride
 460346-63-8P, 8'-Chloro-5'-[2-[(methanesulfonyl)amino]-2-oxoethoxy]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 460346-64-9P, 8'-Chloro-5'-[2-[(5-methylisoxazol-3-ylmethyl)amino]ethoxy]spiro[cyclohexane-1,4'-quinazolin]-2' (1'H)-one
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (PDE7 inhibitor; prepn. of spirotricyclic quinoline derivs. and analogs and use as phosphodiesterase-7 inhibitors)
 RN 460345-40-8 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 6'-methoxy- (9CI) (CA INDEX NAME)

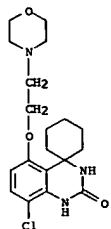


RN 460345-42-0 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 7'-methoxy- (9CI) (CA INDEX NAME)

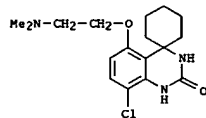


RN 460345-44-2 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-methoxy- (9CI) (CA INDEX NAME)

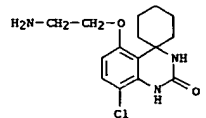
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 460346-14-9 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-[2-(4-morpholinyl)ethoxy]- (9CI) (CA INDEX NAME)



RN 460346-15-0 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-[2-(dimethylamino)ethoxy]- (9CI) (CA INDEX NAME)

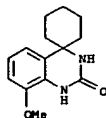


RN 460346-16-1 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 5'-[2-aminoethoxy]-8'-chloro- (9CI) (CA INDEX NAME)

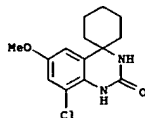


RN 460346-18-3 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-[2-(methylamino)ethoxy]- (9CI) (CA INDEX NAME)

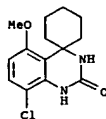
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



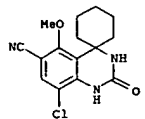
RN 460345-65-7 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-6'-methoxy- (9CI) (CA INDEX NAME)



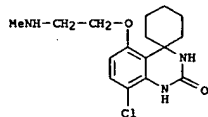
RN 460345-02-5 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-methoxy- (9CI) (CA INDEX NAME)



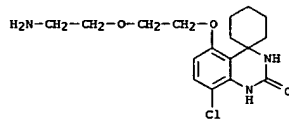
RN 460346-13-8 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-6'-carbonitrile, 8'-chloro-2',3'-dihydro-5'-methoxy-2'-oxo- (9CI) (CA INDEX NAME)



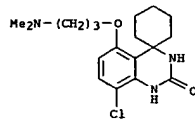
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



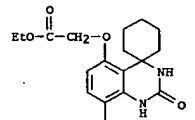
RN 460346-19-4 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 5'-[2-(2-aminoethoxy)ethoxy]-8'-chloro- (9CI) (CA INDEX NAME)



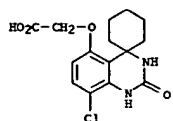
RN 460346-21-8 CAPLUS
 CN Spiro[cyclohexane-1,4' (1'H)-quinazolin]-2' (3'H)-one, 8'-chloro-5'-[3-(dimethylamino)propoxy]- (9CI) (CA INDEX NAME)



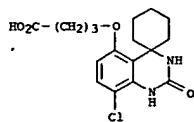
RN 460346-22-9 CAPLUS
 CN Acetic acid, [(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4' (1'H)-quinazolin]-5'-yl)oxy]-, ethyl ester (9CI) (CA INDEX NAME)



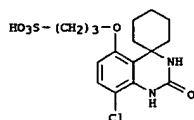
RN 460346-23-0 CAPLUS
 CN Acetic acid, [(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4' (1'H)-quinazolin]-5'-yl)oxy]- (9CI) (CA INDEX NAME)



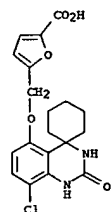
RN 460346-24-1 CAPLUS
CN Butanoic acid, 4-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]- (9CI) (CA INDEX NAME)



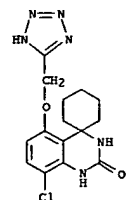
RN 460346-26-3 CAPLUS
CN 1-Propanesulfonic acid, 3-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]- (9CI) (CA INDEX NAME)



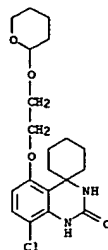
RN 460346-27-4 CAPLUS
CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[2-[(tetrahydro-2H-pyran-2-yl)oxy]ethoxy]- (9CI) (CA INDEX NAME)



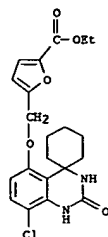
RN 460346-32-1 CAPLUS
CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[(1H-tetrazol-5-ylmethoxy)- (9CI) (CA INDEX NAME)



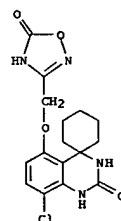
RN 460346-33-2 CAPLUS
CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[(2,5-dihydro-5-oxo-1,2,4-oxadiazol-3-yl)methoxy]- (9CI) (CA INDEX NAME)



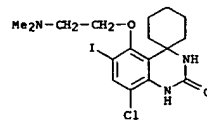
RN 460346-29-6 CAPLUS
CN 2-Furancarboxylic acid, 5-[[[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



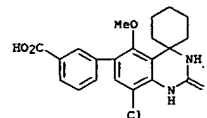
RN 460346-30-9 CAPLUS
CN 2-Furancarboxylic acid, 5-[[[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]methyl]- (9CI) (CA INDEX NAME)



RN 460346-36-5 CAPLUS
CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[2-(dimethylamino)ethoxy]-6'-iodo- (9CI) (CA INDEX NAME)

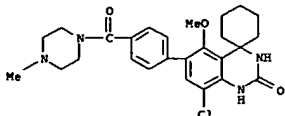


RN 460346-38-7 CAPLUS
CN Benzoic acid, 3-(8'-chloro-2',3'-dihydro-5'-methoxy-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-6'-yl)- (9CI) (CA INDEX NAME)

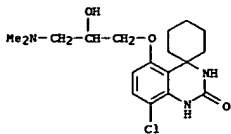


RN 460346-48-9 CAPLUS
CN Piperazine, 1-[4-(8'-chloro-2',3'-dihydro-5'-methoxy-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-6'-yl)benzoyl]-4-methyl- (9CI) (CA INDEX NAME)

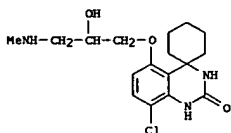
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 460346-57-0 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[3-(dimethylamino)-2-hydroxypropoxy]-(9CI) (CA INDEX NAME)

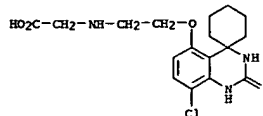


RN 460346-59-2 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[2-hydroxy-3-(methylamino)propoxy]-(9CI) (CA INDEX NAME)



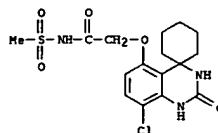
RN 460346-61-6 CAPLUS
 CN Glycine, N-[2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



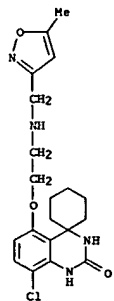
● HCl

RN 460346-63-8 CAPLUS
 CN Acetamide, 2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]-N-(methylsulfonyl)-(9CI) (CA INDEX NAME)



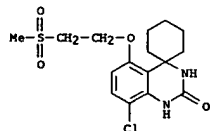
RN 460346-64-9 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[2-[(5-methyl-3-isoxazolyl)methyl]amino]ethoxy]-(9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



IT 460346-17-2P, 8'-Chloro-5'-[2-(methanesulfonyl)ethoxy]spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one 460346-20-7P
 460346-25-2P 460346-34-3P, 8'-Chloro-5'-[N-hydroxycarbamidomethoxy]spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one
 460346-58-1P, 8'-Chloro-5'-[oxiran-2-ylmethoxy]spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate) preparation of spirotricyclic quinoline derivs. and analogs and use as phosphodiesterase-7 inhibitors

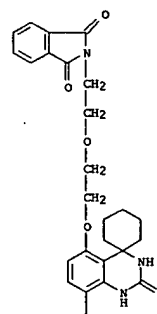
RN 460346-17-2 CAPLUS
 CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-[2-(methylsulfonyl)ethoxy]-(9CI) (CA INDEX NAME)



RN 460346-20-7 CAPLUS
 CN 1H-isoindole-1,3(2H)-dione, 2-[2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]ethoxy]ethyl]-(9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

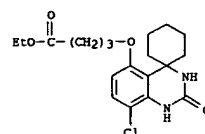
PAGE 1-A



Cl

PAGE 2-A

RN 460346-25-2 CAPLUS
 CN Butanoic acid, 4-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]-, ethyl ester (9CI) (CA INDEX NAME)

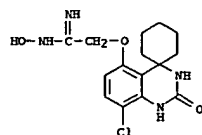


RN 460346-34-3 CAPLUS
 CN Ethanimidamide, 2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]-N-hydroxy-(9CI) (CA INDEX NAME)

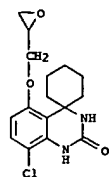
10/ 667,111

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

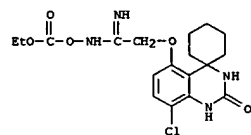
L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 460346-58-1 CAPLUS
CN Spiro[cyclohexane-1,4'-(1'H)-quinazolin]-2'-(3'H)-one, 8'-chloro-5'-(oxiranylmethoxy)- (9CI) (CA INDEX NAME)



IT 460346-35-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; preparation of spirotricyclic quinoline derivs. and analogs and use as phosphodiesterase-7 inhibitors)
RN 460346-35-4 CAPLUS
CN Ethanimidamide, 2-[(8'-chloro-2',3'-dihydro-2'-oxospiro[cyclohexane-1,4'-(1'H)-quinazolin]-5'-yl)oxy]-N-[(ethoxycarbonyl)oxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/ 667,111

=> d his

(FILE 'HOME' ENTERED AT 10:36:52 ON 23 FEB 2005)

FILE 'REGISTRY' ENTERED AT 10:37:14 ON 23 FEB 2005

L1 STRUCTURE UPLOADED

L2 3 S L1 SAMPLE

L3 60 S L1 FUL

FILE 'CAPLUS' ENTERED AT 10:38:06 ON 23 FEB 2005

L4 5 S L3

=> log v